## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/019501

		2027025	
A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER F16C11/04, 11/10, G06F1/16, F	H04M1/02	
· According to Inte	ernational Patent Classification (IPC) or to both nationa	l classification and IPC	
B. FIELDS SE	ARCHED		
Minimum docum Int.Cl	nentation searched (classification system followed by cl. F16C11/04, 11/10, G06F1/16, F	assification symbols) 104M1/02	
Jitsuyo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nt that such documents are included in the tsuyo Shinan Toroku Koho roku Jitsuyo Shinan Koho	e fields searched 1996–2005 1994–2005
Electronic data b	vase consulted during the international search (name of c	data base and, where practicable, search te	erms used)
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X	JP 2003-172335 A (Yugen Kais 20 June, 2003 (20.06.03),	ha DCM),	1,3 2
Υ	Par. Nos. [0003] to [0012]; F (Family: none)	igs. 9 to 10	
Y	JP 2002-227825 A (Ohashi Tec 14 August, 2002 (14.08.02), Par. Nos. [0015] to [0016]; F (Family: none)	,	2
A	JP 2-180321 A (NHK Spring Co 13 July, 1990 (13.07.90), Page 2, upper right column, l right column, line 14 (Family: none)		1-3
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× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	
"A" document de	gories of cited documents: efining the general state of the art which is not considered icular relevance cation or patent but published on or after the international	"T" later document published after the inte date and not in conflict with the applic the principle or theory underlying the i "X" document of particular relevance; the	ation but cited to understand nvention claimed invention cannot be
cited to esta	which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other	considered novel or cannot be considered when the document is taken alone  "Y" document of particular relevance; the considered in the constant of particular relevance; the constant of particular relevance rele	plaimed invention cannot be
"O" document re	on (as specified) ferring to an oral disclosure, use, exhibition or other means ublished prior to the international filing date but later than the claimed	considered to involve an inventive combined with one or more other such being obvious to a person skilled in the "&" document member of the same patent in the same p	documents, such combination e art
Date of the actua 06 April	Il completion of the international search il, 2005 (06.04.05)	Date of mailing of the international sea 26 April, 2005 (26	
	ng address of the ISA/ se Patent Office	Authorized officer	
Facsimile No.	0 (considerable) (Irania - 2004)	Telephone No.	
Form PC1/15A/21	0 (second sheet) (January 2004)		

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International application No.
PCT/JP2004/019501

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP 2003-56547 A (Nifco Inc.), 26 February, 2003 (26.02.03), Full text; Fig. 3 (Family: none)	2
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